Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/02/2019 10:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126507	1	0.96	126560	0.95
Blue	F	SSC	125000	126626	1	2.18	127398	2.13
Blue	E	FITC	16122	15826	-2	2.70	344	19.81
Blue	D	PE	29316	29250	-1	1.92	639	14.14
Blue	B	PerCP-Cy5-5	42590	42847	0	3.64	1157	19.98
Blue	A	PE-Cy7	33146	33622	1	5.90	640	39.90
Red	C	APC	45473	45603	0	2.36	1611	12.17
Red	A	APC-Cy7	31961	31197	-3	2.21	822	11.50
Violet	B	V450	7914	7602	-4	4.87	424	13.61
Violet	A	V500	29769	28685	-4	4.71	667	10.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21599	2.70	606	6	N/A	N/A	Pass
Blue	F	SSC	57610	1.56	552	14	N/A	N/A	Pass
Blue	E	FITC	63	62.06	539	2	0.0204	125	Pass
Blue	D	PE	133	47.77	542	5	0.1792	277	Pass
Blue	B	PerCP-Cy5-5	211	48.03	647	9	0.0092	22	Pass
Blue	A	PE-Cy7	118	96.37	699	8	0.0113	7	Pass
Red	C	APC	382	24.71	586	7	0.0236	73	Pass
Red	A	APC-Cy7	183	28.15	561	5	0.0062	1311	Pass
Violet	B	V450	65	60.65	465	5	0.0500	2144	Pass
Violet	A	V500	101	33.43	477	5	0.0222	743	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.02	-32.70	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.18	13.60 - 20.40	N/A	N/A	30.18	30.65	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10716

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments